



UNIVERSITY OF JAFFNA, SRI LANKA

BACHELOR OF PHARMACY

FIRST YEAR SECOND SEMESTER EXAMINATION - FEBRUARY 2017

PHABMP 1264 BASIC MICROBIOLOGY & PARASITOLOGY

PAPER II

Date: 27.02.2017

Time: 2 hours

ANSWER ALL SIX QUESTIONS.

ANSWER PARTS A AND B IN SEPARATE ANSWER BOOKS

PART A

1.
 - 1.1 Briefly describe the structure of immunoglobulin (40 Marks)
 - 1.2 List the classes of immunoglobulin (10 Marks)
 - 1.3 Mention the distribution and significance of the above classes (25 Marks)
 - 1.4 Write notes on passive immunization (25 Marks)

2. Write notes on
 - 2.1 Superficial mycoses (35 Marks)
 - 2.2 Delayed hypersensitivity reaction (35 Marks)
 - 2.3 Killed vaccines (30 Marks)

3.
 - 3.1 Name three Gram positive and Gram negative bacteria (25 Marks)
 - 3.2 Mention two infections caused by each of the bacteria mentioned in 3.1. (25 Marks)
 - 3.3 Briefly describe the structure of a bacterial cell (50 Marks)

4.
 - 4.1 Name two disc diffusion methods of antibiotic susceptibility test (10 Marks)
 - 4.2 Write down the importance of determining the minimum inhibitory concentration (20 Marks)

4.3 Briefly explain factors contributing to emergence of antibiotics resistance (35 Marks)

4.4 Briefly describe the negative impacts of antibiotics resistance on health care settings (35 Marks)

PART B

5.

5.1 Name **two** intestinal worms parasitise the large intestine of human (20 marks)

5.2 Briefly describe the mode of transmission of the parasites you mentioned in 1.1 (30 marks)

5.3 Which one of the above parasitic infection causes itching around the anus? (10 marks)

5.4 What are the precautions measures you would adopt while handling a ward patient infected with the parasite you mentioned in 5.3 (40 marks)

6. Briefly describe the mode of transmission, prevention and control of the following parasitic diseases.

6.1 Malaria (50 marks)

6.2 Amoebiasis (50 marks)